

Claims

1.-6. (canceled)

7. (new) A power supply circuit, comprising:

a plurality of power supply components for supplying modules and/or interfaces of an electric system with voltage; and

a regulating circuit for regulating a first of the power supply components, wherein

the regulating circuit is connected to power supply components' power supply outputs between which a maximum of voltage differential occurs during operating the electric system, and wherein

the regulating circuit is adapted that in case of deviation of the maximum voltage differential from a reference voltage value the first power supply component will be adjusted such that the deviation will be reduced.

8. (new) The power supply circuit according to claim 7, wherein the modules are different modules and/or the interfaces are different interfaces.

9. (new) The power supply circuit according to claim 7, wherein the regulating circuit is adapted that the maximum voltage differential will substantially not exceed the reference voltage value.

10. (new) The power supply circuit according to claim 7, wherein the reference voltage value is a specified maximum voltage value.

11. (new) The power supply circuit according to claim 9, wherein the regulating circuit is adapted that the maximum voltage differential will substantially not exceed the specified maximum voltage value.

12. (new) The power supply circuit according to claim 10, further comprising:

an emergency shutdown device for shutting down the supplying with voltage if the specified maximum voltage value is exceeded by the maximum voltage differential.

13. (new) The power supply circuit according to claim 7, wherein the first power supply component comprises a power supply output having a maximum amount of output voltage of the power supply outputs of the power supply components.

14. (new) The power supply circuit according to claim 7, wherein the regulating circuit is provided for regulating an at least one further of the power supply components and the regulating circuit is adapted that in case of the deviation of the maximum voltage differential from the reference voltage value the further power supply component will be adjusted.

15. (new) An electric system, comprising:

modules and/or interfaces; and

a power supply circuit having a plurality of power supply components for supplying the modules and/or interfaces of the electric system with voltage, and having a regulating circuit for regulating a first of the power supply components, wherein

the regulating circuit is connected to different power supply components' power supply outputs between which a maximum voltage differential occurs during operating the electric system, and wherein

the regulating circuit is adapted that in case of deviation of the maximum voltage differential from a reference voltage value the first power supply component will be adjusted such that the deviation will be reduced.

16. (new) The electric system according to claim 15, wherein the electric system is a communication system.

17. (new) The electric system according to claim 16, wherein one of the interfaces is an analog subscriber line.

18. (new) The electric system according to claim 16, wherein one of the interfaces is what is termed a SELV power supply interface.

19. (new) The electric system according to claim 16, wherein one of the modules is a power supply module.

20. (new) The electric system according to claim 16, wherein one of the modules is a subscriber module.

21. (new) The electric system according to claim 16, wherein one of the modules is a system module.

22. (new) A method for operating a power supply circuit, wherein the power supply circuit comprises:

a plurality of power supply components for supplying modules and/or interfaces of an electric system with voltage; and

a regulating circuit for regulating a first of the power supply components, wherein

the regulating circuit is connected to power supply components' power supply outputs between which a maximum of

voltage differential occurs during operating the electric system,

and wherein

the regulating circuit is adapted that in case of deviation of the maximum voltage differential from a reference voltage value the first power supply component will be adjusted such that the deviation will be reduced, the method comprising:

comparing the maximum voltage differential with the reference voltage value and

adjusting the first the power supply components in case of deviation of the maximum voltage differential from a reference voltage value such that the deviation will be reduced.

23. (new) The method according claim 22, wherein the regulating circuit is provided for regulating an at least one further of the power supply components and the regulating circuit is adapted that in case of the deviation of the maximum voltage differential from the reference voltage value the further power supply component will be adjusted, the method further comprising adjusting the further power supply component.